



# Mathematics

## Professional Development

### Spring 2016

*Courses subject to cancel due to low enrollment*

#### April 2016

<a href="#">Developing Fluency with Addition and Subtraction in K-2</a>	4/12	\$50
<a href="#">The Progression of Fraction Understanding in Grades 3-6</a>	4/18	\$55
<a href="#">Webinar: Teaching Time and Money in 1<sup>st</sup> and 2<sup>nd</sup> Grade (3:30-4:30)</a>	4/18	Free
<a href="#">Webinar: Geometry in Middle School Grades 6-8 (3:30-4:30)</a>	4/19	Free
<a href="#">Webinar: Counting Collections in Grades K-3 (3:30-4:30)</a>	4/26	Free

#### May 2016

<a href="#">Understanding Learning Progressions in the Math Classroom: Grades 3-7</a>	5/2	\$25
<a href="#">Using Literature to Develop Number Sense in Grades K-3</a>	5/3	Free
<a href="#">Webinar: Ratio, Proportion and Proportional Reasoning in Grades 6-8 (3:30-4:30)</a>	5/3	Free
<a href="#">Webinar: Understanding Depth of Knowledge (DOK) in the math classroom (3:30-4:30)</a>	5/9	Free
<a href="#">Webinar: Math Problem Solving: Addition and Subtraction in K-3</a>	5/9	Free
<a href="#">Webinar: Closing for Summer with Thoughts of the Next School Year Grades K-3 (3:30-4:30)</a>	5/10	Free
<a href="#">Math Problem Solving in the 4-8 Classroom: Implementing Math Tasks that Promote Reasoning and Problem Solving</a>	5/11	\$50
<a href="#">Webinar: Daily Math Review</a>	5/16	Free
<a href="#">Webinar: Literature that Supports Number Sense in K-3</a>	5/23	Free
<a href="#">Webinar: Counting Collections</a>	5/26	Free

#### June 2016

<a href="#">Making Sense of Fractions</a>	6/1-6/2	Free
<a href="#">K-2 Math Bootcamp: Getting Ready for the 2016-2017 School Year</a>	6/1-6/2	\$60
<a href="#">Webinar: Development of Fraction Sense (10:00am-11:00am)</a>	6/7	Free
<a href="#">Webinar: Math Journal Writing in K-2 (1:00 – 2:00)</a>	6/7	Free
<a href="#">Webinar: Comparing Fractions and Equivalent Fractions (10:00am-11:00am)</a>	6/8	Free
<a href="#">Webinar: Operations of Fractions (10:00am-11:00am)</a>	6/9	Free
<a href="#">Number Sense Tasks and Routines in K-3</a>	6/13	Free
<a href="#">Promoting Productive Struggle</a>	6/14	\$55
<a href="#">Developing Fluency in Multiplication</a>	6/15	\$50
<a href="#">Webinar: Understanding Equality and the Equals Sign (10:00am-11:00am)</a>	6/20	Free
<a href="#">Webinar: Supporting Place Value through Problem Solving (10:00am-11:00am)</a>	6/28	Free



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#### July 2016

<a href="#">Webinar: Geometry in Middle School (1:00pm-2:00pm)</a>	7/11	Free
<a href="#">Webinar: Teaching Statistics in Grades 6-8 (1:00pm-2:00pm)</a>	7/12	Free
<a href="#">Webinar: Ratio and Proportion in Middle School (1:00pm-2:00pm)</a>	7/13	Free
<a href="#">Webinar: Planning for the new school year in mathematics, Grades 3-8 (10:00am-11:00am)</a>	7/18	Free
<a href="#">Webinar: Understanding DOK in the Math Classroom (10:00am-11:00am)</a>	7/19	Free
<a href="#">Webinar: Promoting Productive Struggle in the Math Classroom (10:00am-11:00am)</a>	7/20	Free
<a href="#">Webinar: Teaching Proportional Reasoning for Understanding (10:00am-11:00am)</a>	7/21	Free
<a href="#">Coaching Actions that Strengthen Mathematics Teaching and Learning</a>	7/25-7/26	\$60
<a href="#">Webinar: Planning for the new school year in mathematics, Grades 3-8 (9:00am-10:00am)</a>	7/27	Free
<a href="#">Webinar: Understanding DOK in the Math Classroom (9:00am-10:00am)</a>	7/28	Free

#### August 2016

**All face-to-face workshops are 8:30 – 3:30 unless otherwise noted.**

**Audience** Teachers, district professional development leaders, instructional coaches, regional representatives, content specialists.

For more information and registration <http://www.ade.az.gov/online/registration/calendar/RenderCalendar.asp>